



RESTful Web Service Implementation and Docker

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HOTEL CUSTOMER AND ORDER INFORMATION

- Development of RESTful Web Service using spring boot.
- Data Model
 - JSON file based Database
 - *{userId, firstName, last Name, phone Number, email Address, {orders}}*
 - *REST API- “/users”, “/users/<userid>”, “/users/<userid>/orders”, “/users/<userid>/orders/orderId”*
- Technology
 - Model and Controller: JAVA - Spring Boot Application
 - View: SPA using Javascript JQuery, AJAX, HTML, CSS
 - Container: Docker image in UBUNTU(Docker Client)/Ubuntu(Docker Engine)

Summary

■ Challenges:

- Dockerization of Web Service (Port Forwarding)
- Model- Database Integration in Service and Container
- View - Front end connectivity and handling JSON response using ajax methods.

■ Learning:

- Development of micro service.
- Maven build architecture.